

Claims

- 5 1. Rotary drum for a tape recorder for recording and/or reproducing signals according to helical scan system, comprising a rotary upper drum and a stationary lower drum (1) and provided with a drum base (2), the drum base (2) and the lower are joined together to form a lower drum assembly by means of which the drum can be arranged in a predetermined manner on a tape deck
- 10 chassis of the recorder inclusively a tilt angle with regard to tape deck chassis' plane, **characterized in** that the drum base (2) and the lower drum (1) are joined together by a welded joint at a certain area (F) of the lower drum assembly where the drum base (2) and the lower drum (1) abut.
- 15 2. The rotary drum according to claim 1, **characterized in** that that the drum base (2) and the lower drum (1) are joined together by welding with a laser beam (8).
- 20 3. The rotary drum according to claim 2, **characterized in** that the drum base (2) and the lower drum (1) are joined together by through-welding whereby the laser beam (8) is applied square to looking-down surface of the drum base (2).
- 25 4. The rotary drum according to claim 3, **characterized in** that the looking-down surface of the drum base (2) is provided with regions (9) of reduced thickness where the laser beam (8) is to be applied.
- 30 5. The rotary drum according to claim 2, **characterized in** that the drum base (2) and the lower drum (1) are joined together by side-welding whereby the laser beam (8) is applied in a predetermined radial manner to get a welded joint at a certain area (F) at circumference of the lower drum assembly where the drum base (2) and the lower drum (1) abut.

6. Apparatus according to helical scan system for recording and/or reproducing signals onto/from a magnetic tape having a rotary drum according to claim 1.

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